Microbial Air Sampler

KMAS-100 Eco

General Description

The KMAS-100 Eco Microbial Air Sampler is an economical, compact, and lightweight instrument designed for microbial air monitoring. The unit includes a main power supply and standard rechargeable NiMH batteries for reliable operation.

The KMAS-100 Eco offers many of the same features found in the KMAS-100 Eco air sampler, except for the mass flow sensor. The device is designed for accurate air sampling and ensures a consistent airflow rate of 100 liters per minute, as recommended by international standards.

The sampler is constructed from high-quality aluminum, ensuring durability and precision in microbial monitoring applications. Its user-friendly design allows easy operation and safe replacement of Petri dishes during sampling.

The technology used in the KMAS-100 Eco air sampler is based on the Andersen sampling principle, which has been widely adopted in microbial air monitoring across many industries worldwide.

Included Accessories

- Hard carrying case
- Rechargeable battery
- 400-hole perforated lid
- Dust cover
- Mains charger
- USB cable
- 3 mm Allen key
- USB drive with documentation

Uses

- Airborne microbial contamination monitoring
- Clean room environmental monitoring
- Microbial air sampling in controlled environments
- Quality control in pharmaceutical production
- Hygiene monitoring in food and beverage processing areas
- Environmental microbial testing in laboratories
- Monitoring airborne bacteria and fungal spores

Technical Specifications

Parameter	Specification
Storage Conditions	Store at room temperature
Body Material	Aluminum
Model	KMAS-100 Eco
Packaging	1 Kit
Application	Active Microbial Air Monitoring
Weight	1.4 kg
Industry	Food and Beverage

Key Features

- Compact, lightweight, and economical design
- Airflow rate of 100 L/min for accurate sampling
- Aluminum construction for durability and precision
- Compatible with standard Petri dishes
- Easy and safe replacement of Petri dishes
- Reliable microbial air sampling performance
- Portable design with rechargeable battery system

Applications

- Food and beverage industry
- Pharmaceutical manufacturing
- Microbiology laboratories
- Environmental monitoring
- Clean room monitoring

Benefits

- Complies with ISO 14698 Part 1 and Part 2 guidelines
- Mass flow technology ensures a constant airflow rate of 100 L/min
- Continuous regulation of airflow during sample collection
- Automatic adjustment for different Petri dish volumes and air density variations